

Department of Public Works and Transportation

DIVISION OF SOLID WASTE SERVICES



Citizens attend the America Recycles Day Event at the Transfer Station

***MONTHLY REPORT
NOVEMBER 2000***



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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, during the fiscal years to date (FY Total), and during the current calendar month in the two prior fiscal years. (County fiscal year 2001 began July 1, 2000.)

FACILITY	Nov FY 01	FY 01 Total	Nov FY 00	Nov FY 99
Materials Recycling Facility ⁽¹⁾	7,364 tons	32,941 tons	5,121 tons	5,093 tons
Brunswick Landfill Facility ⁽⁴⁾	13,817 tons	65,111 tons	10,908 tons	10,506 tons
American Ash Recycling ⁽²⁾	2,809 tons	14,455 tons	2,785 tons	N/A
Resource Recovery Facility ⁽³⁾	49,971 tons	229,419 tons	40,756 tons	39,857 tons
Yard Trim Compost Facility	14,973 tons	30,046 tons	14,943 tons	13,046 tons

⁽¹⁾For FY00, MRF tons reported are outgoing. For previous years, incoming was reported.

⁽²⁾Tons shipped out to ash recycling facility during the indicated period. All tons so shipped are recycled.

⁽³⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. For FY00, these tonnages are preliminary, with adjustments made in the December and June monthly reports.

⁽⁴⁾This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled at Clean Rock or other locations.

Revenue Analysis and Systems Evaluation – Most man hours this month continued to be redirected to preparation of the FY02–07 DSWS budget proposals. On the personnel front, offers were made for two positions, and one was accepted. Staff finished drafting the Rate and Fiscal Health spreadsheets. Prepared briefing for full council on FY00 waste generation and recycling rate. Also provided internal review of monthly tonnage numbers, and did further work on an additional Performance Measure for inclusion in FY02 budget package. Consultant continued work on semi-automated and automated collection study, and continued cost analysis on the variable rate options.

CITIZEN COMMITTEES

Facilities Implementation Group (FIG) – There is no meeting scheduled in November. The next meeting is scheduled for January 16 at 7:30 p.m. at the Gothic Barn.

Solid Waste Advisory Committee (SWAC) – SWAC met Saturday, November 4, at the Materials Recovery Facility and Transfer Station. County staff briefed the committee on Paper Recycling, Recycling Center and the Solid Waste Transfer Station.

Oaks Landfill Advisory Commission (OLAC) – OLAC held its quarterly meeting on November 28. Updates to OLAC indicated that final closure and capping construction is almost complete and that work for the trail system to be installed at the site will likely begin next spring.

COLLECTIONS

Refuse – Refuse collections went as scheduled with no disruptions to service.

Recycling – Mixed Paper continues to have an impact on the collection process with all of the companies supplementing their normal complement of equipment with compactor trucks or other recycling trucks with greater capacity.

Contractor Performance – During the month of November, there were 17 complaints not resolved by the contractors, in this case, all were Waste Management Inc. The County corrected all 17 issues and assessed the appropriate fines. The number of complaints received in November 2000 totaled 582. This represents a 25.2% increase from November 1999, which had 465 complaints.

Enforcement Actions – For the month of November, 25 citations were issued in the amount of \$13,250.00 for violations of the County Solid Waste Laws: 1 citation for not having a valid collector's license in the amount of \$500.00; 4 citations for unlicensed collection vehicles in the amount of \$2,000.00; 4 citations for not having a valid collector's tag attached for \$2,000.00; 7 citations for collecting solid waste before 7 a.m. for \$7,750.00; 1 citation for failure to maintain the premises by permitting solid waste to be stored outside storage containers in the amount of \$500.00; 4 citations were issued for not having a suitable tight-fitting cover for \$2,000.00; and 1 citation for depositing solid waste upon a public roadway for \$500.00. There were a total of 23 NOVs issued: 1 NOV for a leaking container; 10 NOVs for not having a suitable tight fitting cover; 5 NOVs for dumping on property of another without consent; 6 NOVs for improperly stored and/or permitted solid waste to accumulate; and 1 NOV for operating a vehicle found to be in an unsafe physical, mechanical or sanitary condition.

Customer Service – For the month of November, there were 6,399 incoming calls with 116 follow-up calls as a quality control check and 217 other miscellaneous services handled by the Customer Service staff. Also, 998 recycle bins were delivered.

Volunteer Activities – During the month of November, Master Recycler/Composter Program Volunteers contributed 315 hours of service and reached approximately 2,743 residents. Volunteer Activities included two Household Hazardous Waste collections, one at Shady Grove Transfer Station and the other at the Briggs Chaney Park and Ride lot. Other activities included one computer recycling collection, a presentation at the Faith United Methodist Preschool, numerous activities at the America Recycles Day Program and two tours to the Office Paper Systems facility.

WASTE MINIMIZATION

Drop-off Programs – The County is preparing advertisements promoting drop-offs at the Transfer Station that will appear later in December.

A computer recycling event was held on November 12. Approximately 11 tons of computers and computer-related equipment were received.

Department of Environmental Protection's Home Composting and Source Reduction Activities – Large promotional mailing for Grasscycling, Home Composting, Environmental Lawn Care, and Integrated Pest Management (waste reduction, lawn care, etc.) is now underway. Hundreds of posters are being mailed, upon request, to nurseries, garden centers, schools, and nature centers.

Leaf mulching and composting ads are running in *Gazette* and *Journal* Newspapers; County Cable is airing Composting PSA.

Ads promoting the Composting Bins, Composting Information Kits, and Lawns & Landscaping Website (compost.askDEP.com) are also being run in the *Gazette* and *Journal* Newspapers.

New Composting Factsheets (*Getting Started: Composting Basics*; *Ten Compost Myths*; *Composting With Pallets*) are being mailed out as part of the information kit, and all documents are now available as downloadable PDF files from the Composting Homepage.

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste Collection – About 25 citizens who could not attend the next scheduled event came to the Transfer Station to drop off household hazardous waste. Two HHW events were held: one at the Transfer Station and one at Briggs Chaney Park and Ride. There were 826 and 539 participants, respectively.

Small Quantity Generator (Ecowise) Program – One Ecowise event was held in November; 8 companies attended.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility: CEM Tracking of RRF Operations – In November, the Continuous Emissions Monitoring System (CEM) indicated that all three units were operating at nearly 100% load continuously until November 20, when unit 1 was brought offline at 10 a.m. because of low pit. Since then, units 2 and 3 were operating until the end of November. Stack tests were completed on November 1, as per the schedule. The results of the testing will be available in January. In November, there were no equipment malfunctions that affected unit operations or stack emissions.

On November 3, the set of ten CEM CD-ROMs was updated to include CEM data up to October 31, 2000. Copies of the CD-ROMs are placed in the Rockville and Poolesville libraries and distributed to DSWS staff and citizen committees, including SWAC and FIG. The quarterly RRF Operations and Emissions Report was also placed in the libraries.

Oaks Landfill Energy Recovery Facility: Leachate Evaporation Technology – In November, the Leachate Thermal Treatment System (LTTS) operated for 28 days, evaporating, on the average, eight gallons per minute. BENTECH is still exploring financial viability for implementing a pipeline-quality gas project or an electricity-generating project. A meeting is scheduled with BENTECH for December 21 to discuss the progress in the firm's negotiations.

Yard Trim Composting Facility: Consent Agreement Evaluation – In September, DSWS submitted to Maryland Department of Environment (MDE) ENSR's draft report for the water quality-sampling program that was concluded in June. To date, no comments were received from the Agency.

Facilities Implementation Group (FIG) Air Quality Subcommittee – The third meeting of the FIG Air Quality Subcommittee was held on November 28; 4 out of 6 members attended the meeting. The major topic of discussion was the future ambient monitoring program in the vicinity of the RRF. The committee arrived at a consensus for conducting limited non-air media ambient monitoring program once in 3 years, and limited air media monitoring program once in 5 years. The Committee suggests the following scenarios: for the non-air media, sample in the maximum wet deposition area (Jim Evan's Farm) and a control area; for the air media, sample in the maximum impact area (Poolesville High School) and a control area.

If FIG goes along with the committee's recommendations, we have to conduct non-air media sampling in summer 2001 which is 3-4 years from 1997-98, when we conducted the last non-air media sampling. The estimated cost for this program is \$35,000. These monies are available in my FY01 budget encumbered into the ENSR contract. Therefore, no additional monies are needed for this program in the FY02 budget. As per the committee's recommendation, we have to conduct air media sampling in 2002-2003 (5 years from 1997). The estimated cost for this program is \$60,000. For this program, monies will be asked for in the FY03 budget season.

Clean Air Engineering (CAE) provided electronic copies of the stack test data for all the 9 stack tests the firm conducted between 1995 and 1998. ENSR is currently reviewing the data and will develop emission factors in a few weeks for the update of the RRF Health Risk Assessment. This information will be submitted to the committee for review probably by the end of December.

Contractual Work – Based on the comments received from the Air Quality Committee members, ENSR expanded the scope of the epidemiological study. The document was distributed to the Committee members at the November 28 meeting.

RECYCLING

Public Outreach – The 2001 recycling information and outreach calendar artwork, layout and text are being finalized for printing. Also, DSWS has been working closely with the County's Division of Facilities and Services, Montgomery County Public Schools, several property management companies, and others to improve recycling awareness and activity. Staff is involved in many activities and events in the community to increase recycling awareness.

Over 1,057 people attended the open house at the Recycling Center held on Sunday, November 19th, to commemorate America Recycles Day.

Mr. Duncan announced the County's recycling rate at a media event on November 30, 2000. This event was held at the Foor household in the Aspen Hill area of Rockville. The Foor family is an exemplary recycler, and was presented with an award. The single-family sector is actually exceeding the County's goal of recycling 50% of the waste generated. The commercial sector generates almost half of all waste generated in the County, and is the area where there is the most to gain in tons recycled.

The web site address for the County's recycling program is www.MCRecycles.org. Other related web site addresses for specific County recycling programs are: www.SORRT.org and www.TRRAC.org. Improvements and additions to these sites are being made and updates will be provided on a continual basis.

Commercial Recycling and Waste Reduction – Staff continued to deliver customized service to the business sector. Staff participated in several community events, including events at White Flint Mall and America Recycles Day.

Staff continued to work with the public school system and has started to provide assistance to the private schools. Staff continued to provide on-site training and support to business managers and their staff.

Multi-Family Recycling – Staff continued to perform on-site evaluations of recycling programs, and work with property managers and residents to provide assistance and support. Staff continued to assist properties that were not in compliance with the County's regulation. The Division also continued to solicit properties to participate in the

bin effectiveness study. Staff participated at a recycling event at White Flint Mall and America Recycles Day to promote awareness of waste reduction, recycling and buying recycled. TRRAC also conducted recycling awareness training for residents of a retirement community.

Mixed Paper Recycling – New versions of print advertisements about the curbside mixed paper recycling program are running in all the following newspapers: the Journal, the Gazette, the Washington Post. The 30-second PSA on mixed paper has been provided to the Public Information Office and to COMCAST for airing. The insert in the Washington Post with mixed paper information is scheduled to be distributed after the holiday season. Staff is monitoring the amounts of mixed paper being recycled in each area, to troubleshoot and provide additional education to those low performance areas.

PILOT PROGRAMS

Mixed Paper Pilot – All three Mixed Paper Pilots have significantly increased their participation levels. The weekly weight per house totals is: Veirs Mill neighborhood 12.43 lbs., Kensington neighborhood 26.65 lbs., and Tildenwoods neighborhood 26.57 lbs.

Tubgrinding Pilot – Tubgrinding of screened reject material began on August 22, 2000 and ended at the end of September with 5,205 yards of material being processed. At the end of November, there are 6,884 yards of material to be processed. Processing of the material should begin in January after the leaf-haul.

Ash Recycling Pilot – Ash recycling continues on schedule with approximately 3,000 tons shipped in November and 16,000 shipped this fiscal year. Nothing unusual was encountered in the month, and CSX train movements continue to be timely for the truck hauling of the ash.

FACILITY ACTIVITIES

Resource Recovery Facility – The Facility operated primarily with three units at 100% load for the first three weeks of the month to perform final stack testing and to reduce the refuse pit inventory. Unit 1 was removed from service on November 20 for its scheduled outage.

There were no minimum or maximum utility generation alerts.

The annual air emission testing of the whole plant began October 23 and was completed on November 1.

The temporary radiation detector installed in October at the grizzly feeder in the ash load out system alarmed on November 8th. The ash system was shut down to search for the radiated material with hand detection units. Material was found in the search and set aside for review by radiation experts. On November 10, a representative of RSO, Inc. examined the material and found no radiation hazard to exist. Two pieces of pea-sized granular material were removed by RSO for disposition with their laboratory materials.

There were no reportable air or water quality environmental excursions in the month. The following reports were submitted:

- October Water Supply Report to MDE
- Third calendar quarter Operations and Emissions report (CEM data) to MDE
- Fourth calendar quarter NPDES report to MDE
- Updated County CD-ROMs emission data

Ogden's environmental engineer was present periodically throughout the month. Minor modifications were made to data reporting protocol to be consistent with MDE and EPA. Carbon Monoxide emission analyzers were tested and re-calibrated.

Five tours were provided during the month. Approximately 86 people toured the Facility representing an international delegation, PEPCO and Montgomery College.

Materials Recovery Facility – Approximately 1,521 tons of commingled material; and 5,844 tons of mixed paper were shipped out after processing.

A protective perimeter wall in the processing area was completed. Potomac, Inc. continued work to update the information displays at the facility. The facility hosted America Recycles Day and the monthly SWAC meeting in November. The County conducted negotiations with a contractor for an expansion of the building and reviewed proposals for the replacement of processing equipment.

Oaks Landfill – Work continues on the final punch list items for the Phase II closure. Principal outstanding items consist of as-built documentation.

Cherry Hill Construction, the contractor for the Phase I closure construction largely completed the remaining areas of the site that needed to be capped. Only some vegetative support cover soil and topsoil remain to be placed. Work continues on storm water down chutes and the final road improvements. Construction is approximately 90% complete.

Transfer Station – During November, Ogden Martin shipped via rail 43,047 tons of processible waste from the Transfer Station to the Resource Recovery Facility, 4,547 tons more than shipped in November 1999.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

A contractor submitted a draft update of the Storm Water Pollution Prevention Plan for the Transfer Station and the Recycling Center.

Additional work was performed on the recaulking of the concrete panels on the buildings.

The Transfer Station master plan improvements were completed with the exception of the new trailer installation, and the new expanded citizen drop-off facility was opened to the public. MES scrap metal and yard waste grinding operations were moved to the upper lot and integrated into the expanded drop-off facility.

One of the compactors was tied into the switch gear associated with the generator. The generator was tested with a load for one compactor. The remaining two compactors will be connected next month, and then the system will be operational.

Ogden is working on a permanent tarping station.

Ogden continued cleaning the truss over the tipping floor.

The County started testing the magnetic removal of scrap metal from waste deemed nonprocessable on the tipping floor.

Site 2 Landfill Properties – The Engineer/Architect selected for the Chiswell Farm renovation assessment began its work. Two on-site visits were made. One more is expected in early December. The draft report is on schedule to be submitted to DSWS on December 13. The Dunn house on Wasche Rd was re-rented. A real estate broker contracted to the Leasing Services group of the County DFS determined the monthly lease payment.

Solid Waste Facilities Master Plan – A ten-year Master Plan expenditure is being prepared for the T&E Committee.

Yard Trim Compost Facility – In November, 14,973 tons of leaves were received at Dickerson for composting, and 4,959 yards of Leafgro were sold in bulk.

Bagging Operations – In November, 5,400 bags of Leafgro were produced at the facility and 9,700 bags were shipped to distributors.

Linden Farm Renovations – Under the signed bagging agreement, the County is to renovate the Feed Barn and Bank Barn by June 2001. Maryland Environmental Services (MES) is in the process of selecting a contractor to renovate the barns.

Out-of-County Haul

Brunswick County, Virginia – During the month of November, about 10,766 tons of ash residue and 3,050 tons of nonprocessible waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. Landfill in Brunswick County, Virginia. About 187 tons of rubble was recycled at Clean Rock in Hagerstown, MD. Delivery continued on new three-position flat cars to replace the 30 high-sided gondola cars in the 70-car rail system. Leaks in some ash containers are being addressed through intensified cleaning of door seals at the landfill. A welding crew at Collier Yard is replacing container panels with significant rust.

York, Pennsylvania – During the month of November, 2,809 tons of ash residue (back hauled by rail from the RRF) were shipped from the Transfer Station to American Ash Recycling in York, Pennsylvania to be recycled into aggregate.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste- 240/777-6400

Customer Service- 240/777-6410

Transfer Station- 301/840-2370

Materials Recovery Facility- 301/417-1447- Maryland Environmental Service

Resource Recovery Facility- 301/349-5685 County Office
301/916-3031 Ogden Martin Systems of Montgomery

Yard Trim Compost Facility- 301/428-8185

Internet for DSWS - www.MCRecycles.org

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

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SOLID WASTE FACTS IN A NUTSHELL

<i>TOPIC OR FACILITY</i>	
Current Recycling Rate in Montgomery County	36.5%
Recycling Goal by 2000	50%
New Recycling Programs Scheduled for FY 01	Residential Mixed Paper Collection is now available countywide
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 tpd on an annual basis (558,450 tons/yr).
Yard Trim Composting Facility (DCF)	Operations Limited to Receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY00 tons received- 58,602
# Residences receiving trash collection by County contractors	82,599
# Residences receiving collection of recyclables in blue bins and yard waste collection	195,405
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
BFI	Browning Ferris Industries
CEM	Continuous Emissions Monitoring
CIP	Capital Improvements Program
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
HCFA	Health Care Financing Administration
HHW	Household Hazardous Waste
IFB	Invitation For Bid
IRS	Internal Revenue Service
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
mg/l	milligrams per liter
MNCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed
OLAC	Oaks Landfill Advisory Commission
OMB	Office of Management and Budget
PEPCO	Potomac Electric Power Company
PSA	Public Service Announcement
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
T.R.R.A.C.	Think Reduce and Recycle at Apartments and Condominiums
WM	Waste Management
YTCF	Yard Trim Composting Facility